

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

Inventor(s): KOJIMA et al.

Appln. No.: 09

658,501

FEB 24 2003

Series Code ↑

Serial No. ↑

Filed: September 8, 2000

Hon. Commissioner of Patents
Washington, D.C. 20231

Group Art Unit

1763

Examiner:

Moore, Karla

Atty. Dkt.

P

273851

EL00018CDC

M#

Client Ref

Appln. Title:

SEMICONDUCTOR MANUFACTURING
SYSTEM HAVING A VAPORIZER
WHICH EFFICIENTLY VAPORIZES A
LIQUID MATERIAL

Sir:

REPLY/AMENDMENT/LETTERDate: February 24, 2003 = Monday
February 22, 2003 = Saturday

This is a reply/amendment/letter in the above-identified application and includes the herewith attachment of same date and subject which is incorporated hereinto by reference and the signature below is treated as the signature to the attachment in absence of a signature thereto.

FEE REQUIREMENTS FOR CLAIMS AS AMENDED

1. Small Entity claim

- A. ☒ NOT made
B. ☐ Withdrawn
C. ☐ made herewith
D. ☐ made previously

For B & C
See **Required**
Separate Paper
(Pat-256)

Claims remaining after amendment	Highest number previously paid for	Present Extra	Large/Small Entity	Additional Fee	Fee Code Lg/Sm
2. Total Effective Claims	23	**minus 20	3	x \$18/\$9 = + \$54	103/203
3. Independent Claims	4	***minus 3	1	x \$84/\$42 = + \$84	102/202
4. If amendment enters proper multiple dependent claim(s) into this application for first time (leave blank if this is a reissue application)		add	+ \$280/\$140 =	+ \$0	104/204
5. Original due Date: January 22, 2003	<input type="checkbox"/> NONE				
6. Petition is hereby made to extend the original due date to cover the date this response is filed for which the requisite fee is attached	(1 mo) (2 mos) (3 mos) (4 mos) (5 mos)	\$110/\$55 = \$410/\$205 = \$930/\$465 = \$1,450/\$725 = \$1,970/\$985 =	+ \$110		115/215 116/216 117/217 118/218 128/228
7. Enter any previous extension fee paid since above original due date and subtract		- \$0			
8.		Extension Fee	+ \$110		
9. If Terminal Disclaimer attached, add Rule 20(d) official fee		+ \$110/\$55	+ \$0		148/248
10. If IDS attached requires Official Fee under Rule 97 (c),	add	+ \$180	+ \$0		126
or if Rule 97(d) Request	add	+ \$180			126
11. After-Final Request Fee per rules 129(a) and 17(r)		+ \$750/370	+ \$0		146/246
12. No. of additional inventions for examination per Rule 129(b)		x \$750/375 ea	+ \$0		149/249
13. Request for Continued Examination (RCE)		+ \$750/375	+ \$0		1179/1279
14. Petition fee for			+ \$0		

TOTAL FEE = \$248

PLEASE CHARGE
OUR DEP. ACCT

Our Deposit Account No. 03-3975)

(Our Order No. 40258

273851

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CHARGE STATEMENT: The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any missing or insufficient fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (missing or insufficiencies only) now or hereafter relative to this application and the resulting Official Document under Rule 20, or credit any overpayment, to our Accounting/Order Nos: shown above, for which purpose a duplicate copy of this sheet is attached.

This CHARGE STATEMENT does not authorize charge of the issue fee until/unless an issue fee transmittal sheet is filed.

Query: Is appeal deadline now? If so, file Notice of Appeals separately.

02/26/2003 CNGUYEN 00000109 033975

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Hillsbury Winthrop LLP

Intellectual Property Group

By Atty: Dale S. Lazar

Sig:

Reg. No. 28872

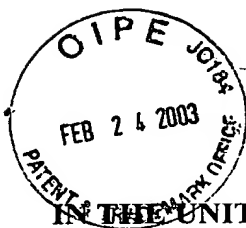
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LVPH:ksh

NOTE: File this cover sheet in duplicate with PTO receipt (PAT-103A) and attachments

PAT-120 5/02



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION of

KOJIMA et al.

Group Art Unit: 1763

Appln. No.: 09/658,501

Examiner: **Moore, Karla**

Filed: **September 8, 2000**

**FOR: SEMICONDUCTOR MANUFACTURING SYSTEM HAVING A VAPORIZER
WHICH EFFICIENTLY VAPORIZES A LIQUID MATERIAL**

* * * * *

February 24, 2003 = Monday
February 22, 2003 = Saturday

AMENDMENT

Hon. Commissioner of Patents
and Trademarks
Washington, D.C. 20231

Sir:

In response to the Office Action dated October 22, 2002, please amend the above-identified patent application as follows:

IN THE SPECIFICATION:

The specification is changed as follows:

Please delete the paragraph bridging pages 2 and 3 and replace it with the following new paragraph.

A linear actuator 18 is provided to the valve body 4 on the opposite side of the vaporizing chamber 10 with respect to the diaphragm 8. The linear actuator 18 includes a drive shaft 20 that protrudes into the valve chamber 6. The drive shaft 20 presses the

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